

## IX.4.4B-PRDINDEX PROCESSED DATA BASE FILE PRDINDEX

### Purpose

File PRDINDEX contains the index to the time series in the Processed Data Base.

A hashing algorithm is used to determine the location in the index based on the time series identifier and data type. A hashing algorithm is a technique which applies a function to a key to compute an address. In this case the key is the time series identifier and data type. The address will be the index array subscript. The goal is to scatter the entries over the entire index and avoid more than one key 'hashing' to the same address.

### Description

ATTRIBUTES: fixed length 16 byte binary records

RECORD STRUCTURE:

<u>Variable</u>	<u>Type</u>	<u>Dimension</u>	<u>Word Position</u>	<u>Description</u>
TSID	A8	1	1	Time series identifier
DTYPE	A4	1	3	Data type code
RECNO	I*4	1	4	Record number of first logical record in time series file: <ul style="list-style-type: none"><li>o unused record if all values are zero</li><li>o deleted record if all values are -1</li></ul>